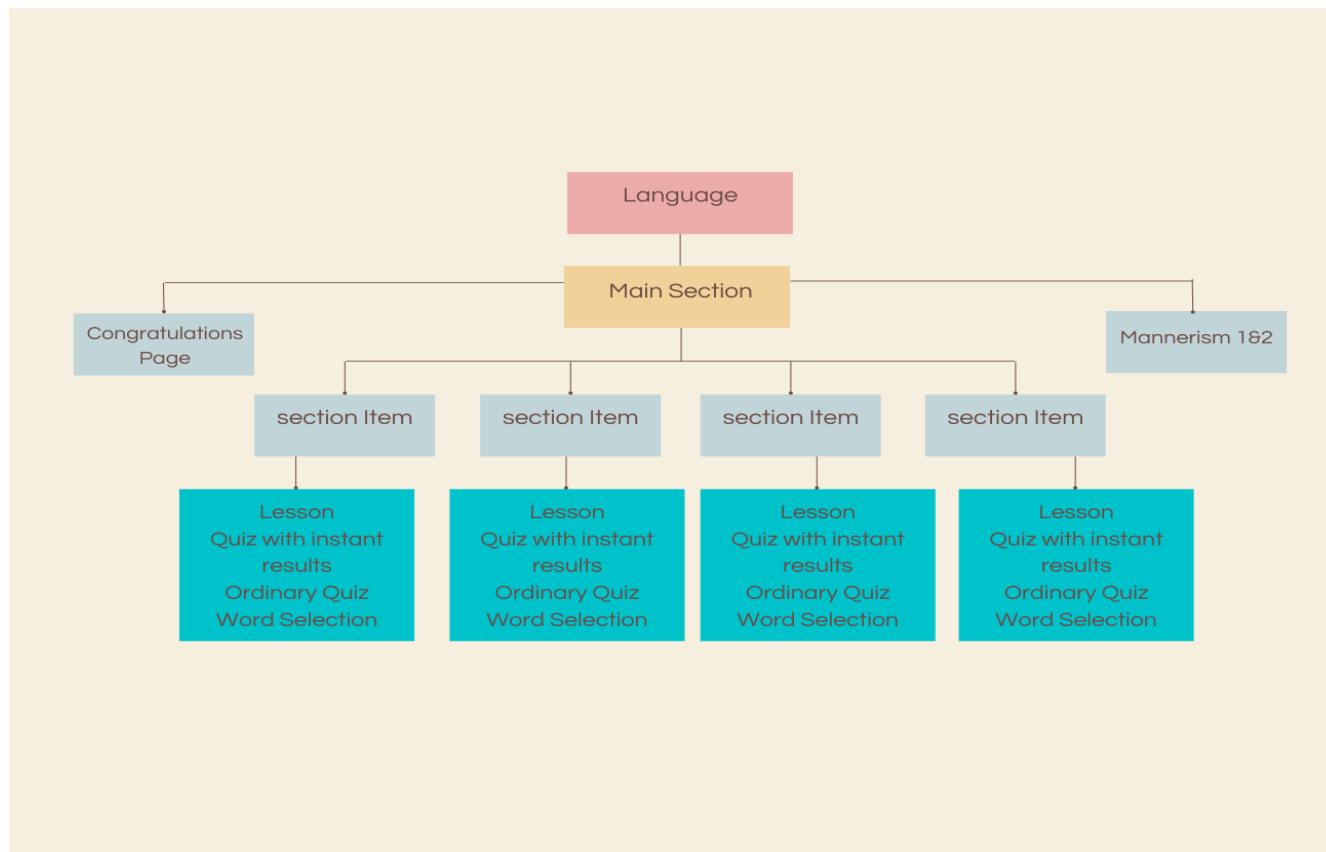


Requirements Documentation for LingAfriq App

v1.0.2

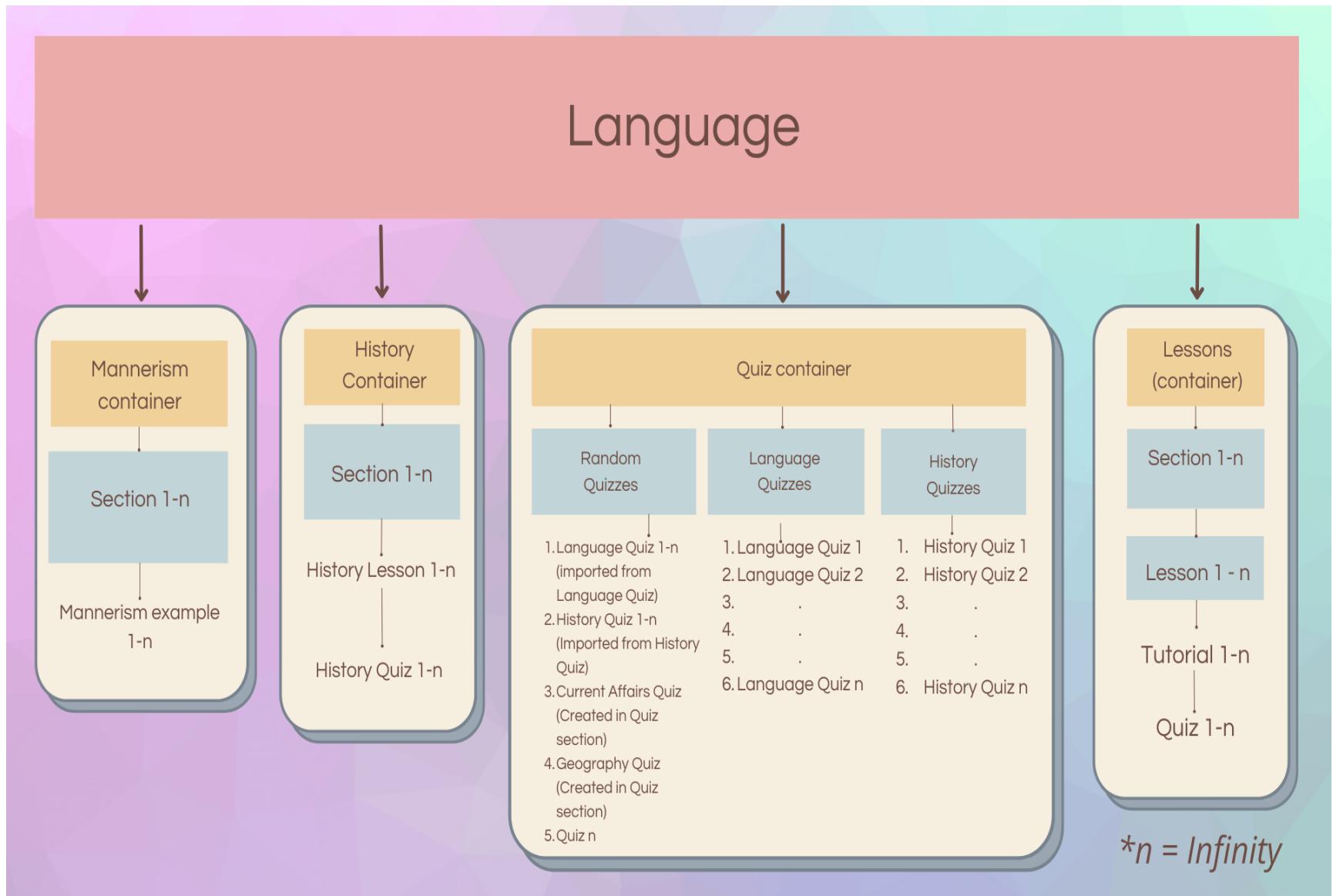
Current Structure of Admin Frontend/Mobile App

1. The structure of the admin frontend allows for the creation of items in the following order:



2. When creating a section, a mannerism and congratulations subsection must be added during creation.
3. The flow of the app allows users to access a section only after previous sections are completed.
4. The sign up page has the email and password fields only.
5. When there is a server issue while signing or logging in, the loading indicator loops continuously thereby freezing the app.

Updated Language Framework



Requirements

1. Every mannerism example, history lesson, quiz and tutorial shall have points allocated to them. These points represent the value earned by the user for completing them.
2. A user shall have a **UserPoints** attribute which adds and stores the points collected by a user after completing a mannerism example, history lesson, quiz or tutorial
3. The UserPoints determine the position of a user on the leaderboard
4. User category is divided into:
 - a. Beginner (x UserPoints)
 - b. Intermediate (x UserPoints)
 - c. Advanced (x UserPoints)

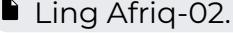
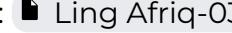
Container

(Container Image:)

5. The user shall be able to click any container in the main page of a language and complete the activities under that container
6. The existing flow where lessons and quizzes are completed in order of occurrence remains the **same** inside the container elements (and)
7. The admin shall be able to create a container of any of the following:
 - a. **Mannerisms container** (toggle show/hide is enabled)
 - i. Admin shall be able to create one or more sections
 - ii. Admin shall be able to create one or more mannerism examples in a section (video, audio, text options)
 - iii. Admin shall be able to set the points to be earned for completing a mannerism
 - b. **History container** (toggle show/hide is enabled)
 - i. Admin shall be able to create one or more sections

- ii. Admin shall be able to create one or more history lessons in a section (video, audio, text options)
 - iii. Admin shall be able to create one or many quizzes in a section (Instant result Quiz, Multiple Question Quiz, Word Selection Quiz)
 - iv. Admin shall be able to set the points to be earned for completing a lesson or quiz
- c. **Quiz container** (toggle show/hide is enabled)
 - i. Admin shall be able to create a section for any of the following:
 - 1. Language Quizzes: Quizzes pulled from lessons container (can be toggled (show/hide))
 - 2. History Quizzes: Quizzes pulled from history container (can be toggled (show/hide))
 - 3. Random Quizzes: Quizzes pulled from lessons and history container, quizzes created in this section (Instant result Quiz, Multiple Question Quiz)
 - 4. Admin shall be able to set the points earned for completing a quiz
- d. **Lessons container** (toggle show/hide is enabled)
 - i. Admin shall be able to create one or more sections
 - ii. Admin shall be able to create one or more lessons in a section
 - iii. Admin shall be able to create one or more tutorials (video, audio, text options) in a lesson
 - iv. Admin shall be able to create one or more quizzes (Instant result Quiz: Ling Afriq-26.png , Multiple Question Quiz: Ling Afriq-34.png , Word Selection Quiz: Ling Afriq-23.png) in a lesson
 - v. Admin shall be able to include additional information on a tutorial which the user can view by selecting the info button
 - vi. User shall be able to view, interact, and complete a tutorial (Ling Afriq-21.png)
 - vii. Each tutorial may/may not contain the following:
 - 1. Audio button
 - 2. Text
 - 3. Video
 - 4. Image
 - 5. More Information Button
 - 6. A continue button
 - viii. User shall be able to view, interact, and complete a quiz

Login/sign up/reset password Pages

(Login Page:  Sign up Page:  Reset password Page: 

8. User shall be able to log in with the following:
 - a. gmail
 - b. Facebook
 - c. Username and password
9. User shall provide the following details on sign up:
 - a. First name
 - b. Last name
 - c. Username (primary key)
 - d. Password
 - e. Confirm password
 - f. Email (primary key)
 - g. Nationality
 - h. Agree to privacy terms
10. User shall be able to reset password by providing email. Reset code is sent to email and provision of this code enables reset

Leaderboard

(Leaderboard image: 

11. A leaderboard displays the total UserPoints earned for completing lessons/quizzes
12. The leaderboard page displays a global ranking list and a country ranking list in order of points earned
13. User can toggle between global ranking list and country ranking list
14. Each list item displays:
 - a. User avatar
 - b. Username
 - c. Position
 - d. Points
 - e. Country flag

- f. gold/silver/bronze respectively if list item is in top 3 on list
- 15. User leaderboard stats shall always remain visible to user even while traversing the list
- 16. Push Notification shall be sent to user when they go higher or lower in the leaderboard
- 17. The user shall be able to view the global and country rankings which contain the username, position, no of lessons completed and points of each player on the leaderboard page

Dashboard

(Dashboard image:  Ling Afriq-16.png)

- 18. Dashboard displays four random languages available for learning
- 19. User is able to search for a language using the search panel
- 20. User is able to navigate to other tabs (courses, leaderboard, user profile) using the footer

Courses Page

(Courses Page image:  Ling Afriq-17.png)

- 21. The courses page contains a list of languages the user is currently learning
- 22. Each list item has the following attributes:
 - a. Name of language
 - b. Number of lessons/quizzes completed
 - c. Total UserPoints obtained from lessons/quizzes
 - d. Total UserPoints available for that language
 - e. Progress bar
- 23. A push notification should be sent when the user has not logged in for 4 days

Settings Page

User Interface Design Requirements

- 24. Use Material Design and its guidelines
- 25. Avoid an overlapping design

26. Use the material icons or font awesome icons (only design an icon yourself if material or font awesome don't have a matching one)
27. Provide dark and light mode switching
28. Provide colors in assets
29. Provide the icon design
30. On the home page, the tabs are in the following order: Languages, Quiz, Home(Active Learning), Leaderboard, Settings
31. The sign up page shall contain the following fields: First Name, Last Name, username, email, password, confirm password.
32. The settings tab shall contain the First name, Last name, email of the logged in user
33. Primary color code: **#4A0025**
34. Secondary color code: **#FD8C42**
35. Alternate color code: **#404040**
36. Font family: Questrial. Link: <https://fonts.google.com/specimen/Questrial>